

ATTACHMENT C

For release Monday, 7 May 1956

NACA ANNOUNCES START OF NEW RESEARCH PROGRAM

The need for more detailed information about gust-meteorological conditions to be found at high altitude, as high as 50,000 feet, has resulted in the inauguration of an expanded research program to provide the needed data, <sup>25X9A5</sup> [REDACTED] Director of the National Advisory Committee for Aeronautics, announced today.

"Tomorrow's jet transports will be flying air routes girdling the earth", Dr. Dryden said. "This they will do at altitudes far higher than presently used except by a few military aircraft. The availability of a new type of airplane, which is one of several that will be used in the program, helps to obtain the needed data in an economical and expeditious manner."

This aircraft, the Lockheed U-2, is powered by a single Pratt & Whitney J-57 turbo-jet engine and is expected to reach ten-mile-high altitudes as a matter of record, according to the NACA. A few of these aircraft are being made available for the expanded NACA program by the USAF.

The program is along the lines recommended by the Gust Loads Research Panel of the NACA's technical Subcommittee on Aircraft Loads. In its research programs, the NACA is charged with coordination of aeronautical research, and with taking action necessary to avoid undesirable duplication of effort.

<sup>25X9A5</sup> Among specific research goals will be more precise information about clear air turbulence, convective clouds, wind shear, and the jet stream. <sup>25X9A5</sup> [REDACTED] Assistant Director for Research of the NACA, said that as a result of information so to be gained, tomorrow's air travelers might expect degrees of speed, safety and comfort beyond hope of the air transport operators.

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"The program would not have been possible," <sup>25X9A5</sup> [REDACTED] "without the ability of American scientific efforts to join forces."

Actually, according to <sup>25X9A5</sup> [REDACTED] success of the program depends in large degree upon the logistical and technical support which the Air Weather Service of the USAF will be providing. USAF facilities overseas will be used as the program gets underway, to enable the gathering of research information necessary to reflect accurately conditions along the high-altitude air routes of tomorrow in many parts of the world. The data gathering flights will also be used, at the request of the USAF, to obtain information about cosmic rays and the concentration of certain elements in the atmosphere including ozone and water vapor.

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25X9A5 The first data, covering conditions [REDACTED]  
are being obtained from flights made from [REDACTED]  
[REDACTED] noted that the data would be equally useful to technical  
experts of the Air Weather Service in expanding their knowledge of  
atmospheric conditions at high altitude.

(Suggestion: As close pp, use: Members of the NACA Subcommittee  
on Loads, Gust Loads Research Panel, include:--and then list.)